

CLAIMS

What is claimed is:

1. A genetic construct that comprises:
 - a) a coding sequence for HIV-1 Rev, and
 - b) a coding sequence for a desired protein, wherein coding sequence for said desired protein comprises
 - i) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - ii) at least one CTE.
2. The genetic construct of claim 1 wherein said genetic construct is a DNA molecule.
3. The genetic construct of claim 2 wherein said genetic construct is a plasmid.
4. The genetic construct of claim 1 wherein the desired protein is an HIV structural protein that comprises at least one CTE.
5. The genetic construct of claim 1 wherein the desired protein is a fusion protein comprising at least a portion an HIV structural protein and a non-HIV portion.
6. The genetic construct of claim 1 wherein the desired protein is a fusion protein comprising at least a portion an HIV structural protein and an immunogenic non-HIV portion.
7. The genetic construct of claim 1 wherein the genetic construct comprises 1-5 CTEs.
8. A composition comprising at least two nucleic acid molecules:

- a) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and
 - b) at least one nucleic acid molecule comprises a coding sequence for a desired protein, wherein coding sequence for said desired protein comprises
 - i) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - ii) at least one CTE.
9. The composition of claim 8 wherein said nucleic acid molecules are DNA molecules.
10. The composition of claim 9 wherein said DNA molecules are plasmids.
11. The composition of claim 8 wherein the desired protein is an HIV structural protein that comprises at least one CTE.
12. The composition of claim 9 wherein the desired protein is a fusion protein comprising at least a portion an HIV structural protein and a non-HIV portion.
13. The composition of claim 8 wherein the desired protein is a fusion protein comprising at least a portion an HIV structural protein and an immunogenic non-HIV portion.
14. The composition of claim 8 wherein at least one nucleic acid molecule comprises a coding sequence for a desired protein, wherein coding sequence for said desired protein comprises
 - i) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - ii) 1-5 CTEs.

15. A method of inducing an immune response against an immunogen in an individual comprising the step of administering to said individual either:
- a) a composition comprising a genetic construct that comprises
 - i) coding sequence for HIV-1 Rev, and
 - ii) coding sequence for said immunogen, wherein coding sequence for said immunogen comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE; or
 - b) a composition comprising at least two nucleic acid molecules:
 - i) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and
 - ii) at least one nucleic acid molecule comprises a coding sequence for an immunogen, wherein coding sequence for said immunogen comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE.
16. The method of claim 15 comprising the step of administering to said individual a composition comprising a genetic construct that comprises
- i) coding sequence for HIV-1 Rev, and
 - ii) coding sequence for said immunogen, wherein coding sequence for said immunogen comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE; or
17. The method of claim 15 comprising the step of administering to said individual a composition comprising at least two nucleic acid molecules:

- i) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and
- ii) at least one nucleic acid molecule comprises a coding sequence for an immunogen, wherein coding sequence for said immunogen comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE.

18. A method of delivering a protein to an individual comprising the step of administering to said individual either:

- a) a composition comprising a genetic construct that comprises
 - i) coding sequence for HIV-1 Rev, and
 - ii) coding sequence for said protein, wherein coding sequence for said protein comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE; or
- b) a composition comprising at least two nucleic acid molecules:
 - i) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and
 - ii) at least one nucleic acid molecule comprises a coding sequence for said protein, wherein coding sequence for said protein comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE.

19. The method of claim 18 comprising the step of administering to said individual a composition comprising a genetic construct that comprises

- i) coding sequence for HIV-1 Rev, and

ii) coding sequence for said protein, wherein coding sequence for said protein comprises

- 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
- 2) at least one CTE.

20. The method of claim 18 comprising the step of administering to said individual a composition comprising at least two nucleic acid molecules:

- i) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and
- ii) at least one nucleic acid molecule comprises a coding sequence for said protein, wherein coding sequence for said protein comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE.

21. A method of producing a protein in a cell comprising the step of culturing a cell comprises either:

- a) a genetic construct that comprises
 - i) coding sequence for HIV-1 Rev, and
 - ii) coding sequence for said protein, wherein coding sequence for said protein comprises
 - 1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and
 - 2) at least one CTE; or
- b) at least two nucleic acid molecules wherein:
 - i) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and
 - ii) at least one nucleic acid molecule comprises a coding sequence for said protein, wherein coding sequence for said protein comprises

1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and

2) at least one CTE.

22. The method of claim 21 comprising the step of culturing a cell that comprises a genetic construct that comprises

i) coding sequence for HIV-1 Rev, and

ii) coding sequence for said protein, wherein coding sequence for said protein comprises

1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and

2) at least one CTE.

23. The method of claim 21 comprising the step of culturing a cell that comprises a genetic construct that comprises at least two nucleic acid molecules:

i) at least one nucleic acid molecule comprises a coding sequence for HIV-1 Rev, and

ii) at least one nucleic acid molecule comprises a coding sequence for said protein, wherein coding sequence for said protein comprises

1) at least a portion of coding sequence for an HIV structural protein that includes an RRE and

2) at least one CTE.